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WHAT IS CLAIMED IS:

- 1. An adhesive for hard tissues comprising a fluid composition containing a plurality of lysine-based isocyanate endcapped absorbable star polymer molecules, said plurality of star polymer molecules having at least one terminal, reactive isocyanate group and being capable of undergoing cross-linking with each other when exposed to water thereby curing to provide a solid material.
- 2. An adhesive as in claim 1 wherein the absorbable star polymer includes repeating units derived from one or more monomers selected from the group consisting of p-dioxanone, e-caprolactrone, alkylene carbonates and mixtures thereof.
- 3. An adhesive as in claim 1 wherein the plurality of lysine-based isocyanate endcapped absorbable star polymer molecules have the general formula:

$$\mathrm{CH_2OR_1\text{-}(CHOR_2)\text{-}(CHOR_3)\text{-}(CHOR_4)...(CHOR_n)\text{-}CH_2OR_{n+1}}$$

wherein: n equals 2 to 13;

 $R_1, R_2, ... R_{n+1}$ are the same or different and selected from the group of a hydrogen atom or $(Z)_m$ wherein Z comprises repeating units selected from the group consisting of

O O O
$$(C-CH_2-O-CH_2-CH_2-O)$$
, $(C-(CH_2)_5-O)$, and $(OC-O-(CR'_2)_p)$

wherein p is 3 to 8 and each R' may be the same or different and are individually selected from

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the group consisting of hydrogen and alkyl having from 1 to 5 carbon atoms, such that at least three of said R_1 , $R_2...R_{n+1}$ groups are other than hydrogen;

m is sufficient such that the star polymer has an inherent viscosity in HFPI at 25°C between about 0.05 and about 0.5 dl/gm;

the m's for each (Z) group may be the same or different; and at least one of said $(Z)_m$ groups being endcapped with a lysine based isocyanate and containing a terminal, active isocyanate group

- 4. An adhesive as in claim 3 wherein the isocyanate is derived from a lysinediisocyanate.
 - 5. An adhesive as in claim 1 wherein moisture naturally occurring in tissue to be adhered is sufficient to provide crosslinking and curing to a solid material.